植物分类学报
第18卷 第2期 ACTA PHYTOTAXONOMICA SINICA 1980年5月

西藏附地菜属新植物*

王庆瑞
(甘肃师范大学植物分类研究室)

TWO NEW SPECIES OF TRIGONOTIS STEV. FROM XIZANG (TIBET)

WANG CHING-JUI
(Laboratory of Plant Taxonomy, Gansu Teacher's University)

1. **全苞附地菜** 新种 图 1:1—3

Trigonotis bracteata C. J. Wang, sp. nov.

Affinis *T. microcarpae* (Wall.) Benth., sed inflorescentia omnino foliaceo-bracteatis, nuculis longius curvateque stipitatis differt.

Herba perennis. Caules erecti vel ascendentes, strigosi, 35—45 cm alti. Folia oblonga vel ovata, 1.5—4 cm longa, 0.5—1.5 cm lata, utrinque strigosa, basi rotundata vel late cuneata, apice acuta, saepe minute apiculata, petiolis foliorum basalium 0.5—4(—5) cm longis. Inflorescentiae terminales, omnino foliaceo-barcteatae; flores extraaxillares, solitarii; pedicelli graciles, dense breviterque strigosi, 1—1.5 cm longi, post anthesin recurvati; calyx 5-partitus, sub anthesi circ. 2 mm longus, sup fructu circ. 3 mm lonvus, segmentis anguste ovatis extus strigosis; corolla caerulea, 4—5 mm diam., lobis suborbicularibus circ. 3 mm diam., appendiculis circ. 0.5 mm longis puberulis apice retusis; antherae oblongae, apice obtusae; stylus tubo corollae paulo longior. Nuculae 4, obpyramidali-tetrahedrales, glabrae, brunneae, circ. 1 mm longae, facie dorsali late ovata 1—1.3 mm longa anguste marginata, cis 3 ventralibus subaequimagnis, longe curvatimque stipitatae, stipite circ. 0.3 mm longo.

通麦 (Tongmai), 加马其美, 海拔2100米, 1965年5月14日,应俊生、洪德元(T. S. Ying et D. Y. Hong) 094 (Typus in Herbario Instituti Botanici Academiae Sinicae conservatur); 同地, 应俊生、洪德元 802.

本种近似毛脉附地菜 T. microcarpa (Wall.) Benth., 但花序全面具苞片,小坚果具稍长且向一侧弯的柄可以区别。

2. **灰叶附地菜** 新种 图 1:4—8

Trigonotis cinereifolia C. J. Wang, sp. nov.

Species nuculis *T. microcarpae* (Wall.) Benth. similis, a qua caulibus validis erectisque inferne ramosissimis, foliis minoribus crassisque utrinque dense cinereo-strigosis, segmentis calycis anguste

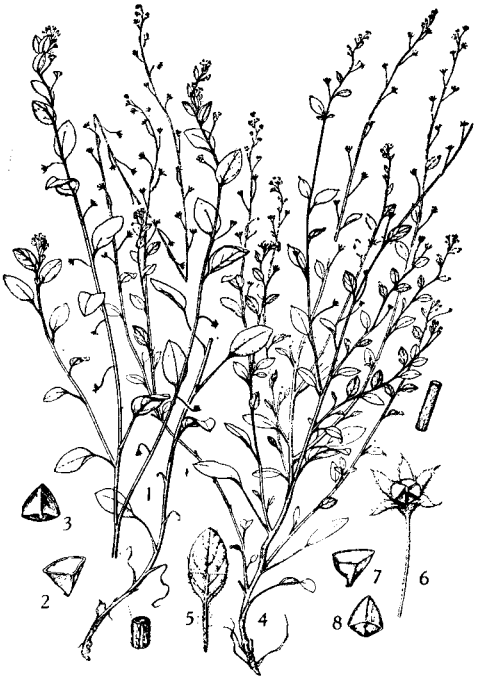

图1 1—3.**全苞附地菜 Trigonotis bracteata** C. J. Wang 1.植株 x1; 2,3. 小坚果; 4—8.**灰叶附地菜 Trigonotis cinereofolia** C. J. Wang 4.植株; 5.叶; 6.萼及果实; 7,8.小坚果.

* 本文承孔宪武教授热忱指导,蒙王文采同志审阅全文,夏泉同志协助绘图,特此致谢。

ellipticis post anthesin erectis, pedicellis strictis erecto-patentibus facile differt.

Herba perennis. Caules erecti, 30—45 cm alti, strigulosi, ramosissimi raro simplices. Folia cinerea, ovata vel oblonga, 0.7—2 cm longa, 0.3—1 cm lata, basi rotundata vel late cuneata, apice acuta saepe minute apiculata, utrinque dense strigosa, subtus secus venas elevatas dense longeque strigosa, petiolis inferioribus usque ad 3 cm longis. Inflorescentiae ad ramos ramulosque terminales, sub medium foliaceo-bracteatae; pedicelli 0.3—1 cm longi, stricti, erecto-patentes, dense strigosi; calyx 5-partibus, sub fructu circ. 3 mm lonves, dense striyosus, segmentis anguste ellipticis apice acuminatis post anthesin tamen erectis; corolla pallide caerulea, 4—5 mm diam., lobis late obovatis circ. 2 mm diam., appendiculis circ. 0.5 mm altis puberulis; antherae oblongae, apice minute apiculatae; stylus tubo corollae subaequilongus.

Nuculae 4, obpyramidali-tetrahedrales, circ. 1 mm longae, atrobrunneae, laevigatae, glabrae, angulis acutis, facie dorsali late ovata circ. 1 mm longa, eis ventralibus 3 planis subaequimagnis, basi brevissime curvatimque stipitatae.

通麦 (Tongmai)，海拔 2000 米，山坡草地，1965 年 7 月 22 日，张永田、郎楷永 (Y. T. Chang et K. Y. Lang) 878 (Typus in Herbario Instituti Botanici Academiae Sinicae conservatur)；同地，张永田、郎楷永 773、829；同地，青藏队 1541.

本种的小坚果与毛脉附地菜 T. microcarpa (Wall.) Benth. 相近似，但茎直立而健壮，下部分枝甚繁，叶小而厚，两面密被灰色糙伏毛，花萼裂片狭椭圆形，花后直立，花梗直而斜展，极易区别。